ATTORNEY DOCKET 068354.1468

PATENT APPLICATION 09/870,460

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Michael I. Catherwood

Serial No.:

09/870,460

Filing Date:

June 1, 2001

Group Art Unit:

2131

Examiner:

Christopher A. Revak

Title:

Modified Harvard Architecture Processor Having Data Memory Space Mapped to Program Memory

Space with Erroneous Execution Protection

Mail Stop Amendment Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450 I hereby certify that this Information Disclosure Statement is being deposited with the United States Postal Service as Express Mail Stop Amendment, Commissioner of Patents, Alexandria, VA 22313-1450, on the date shown below.

40 0

Date

Dear Sir:

## **INFORMATION DISCLOSURE STATEMENT**

Applicant respectfully requests, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. Copies of the references are enclosed on the attached CD-Rom for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. §§1.97 (g) and (h), no representation is made that these references are material to the patentability of the present application.

\*

Applicant believes no fees are due, however, the Commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 50-2148 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P.

Attorneys for Applicant

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Page 1 of 9 Application No. Applicant(s) PTO-1449 Catherwood 09/870,460 Information Disclosure Citation Docket Number **Group Art Unit** Filing Date 068354.1468 2131 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS** SUBCLASS **FILING DATE** 3771146 11/6/73 Cottton et al. 710 260 1/22/73 Α В. 3781810 12/25/73 Downing 340 172.5 4/26/72 C 3886524 5/27/75 710 110 10/18/73 Appelt 5/24/77 708 D. 4025771 Lynch et al. 521 3/25/74 Ε 4074353 2/14/78 Woods et al. 710 264 3/24/76 F 4090250 5/16/78 Carlson et al. 712 234 9/30/76 G. 4/6/82 364 4323981 Nakamura 749 10/23/78 4/5/83 708 Η. 4379338 Nishitani et al. 552 11/21/80 4398244 8/9/83 364 200 5/7/80 Chu et al. 4408274 10/4/83 Wheatley et al 364 200 9/29/80 K. 5/29/84 708 200 3/1/82 4451885 Gerson et al. 4472788 9/18/84 Yamazaki 364 900 8/27/81 3/19/82 M. 4481576 11/6/84 Bicknell 364 200 2/22/82 12/11/84 364 748 N. 4488252 Vassar 0 4511990 4/16/85 Hagiwara et al. 364 748 10/15/81 **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NO. DATE COUNTRY **CLASS SUBCLASS** YES NO 01037424 A 2/1989 001/82 Х JP (w/abstract) H03M P 0 554 917 A2 8/11/93 EP G06F 9/26 Х Q. G06F 15/78 96/11443 4/18/96 wo Х R. 0 855 643 A1 07/29/98 EP G06F 9/30 Х S. 0 992 888 12/04/00 EP G06F 9/32 Х Т. 12/14/00 G06F Х 0 992 889 EP 9/32 Ū. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on V Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508 5/2001 Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. W. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN:0010-4566 10/1998 Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, X. Canners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 3/2/1998 0012-7515 DATE CONSIDERED **EXAMINER** 

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Page 3 of 9 Application No. Applicant(s) PTO-1449 SEP 1 0 2004 Catherwood 09/870,460 Information Disclosure Citation Docket Number Group Art Unit Filing Date in an Application 068354.1468 2131 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** A. 4943940 7/24/90 New 364 748 9/27/84 В. 4959776 9/25/90 Deerfield et al. 364 200 12/5/88 C. 4977533 12/11/90 Miyabayashi et al. 364 726 10/10/89 D. 4984213 1/8/91 230.03 2/21/89 Abdoo et al 365 E. 5007020 4/9/91 Inskeep 364 900 5/7/90 F. 5012441 4/30/91 Retter 364 900 11/24/86 G. 5032986 7/16/91 Pathak et al. 364 200 9/22/89 Н. 5034887 7/23/91 Yasui et al. 364 200 7/27/90 Ι. 5038310 8/6/91 Akagiri et al. 364 715.04 4/19/90 J. 5040178 8/13/91 Lindsay et al. 371 21.5 5/12/89 K. 5056004 10/8/91 264 Ohde et al. 200 10/14/88 L. 5099445 3/24/92 Studor et al. 715.08 364 12/26/89 M. 5101484 3/31/92 Kohn 395 375 2/14/89 N. 5117498 5/26/92 Miller et al. 395 775 9/19/90 Ο. 5121431 6/9/92 Wiener 713 174 7/2/90 Ρ. 5122981 6/16/92 Taniguchi 3/23/89 364 748 Q. 5155823 10/13/92 Tsue 395 400 4/17/89 R. 1/5/93 5177373 Nakamura 307 265 9/27/91 S. 5197023 3/23/93 Nakayama 364 748 10/31/91 T. 5197140 3/23/93 Balmer 395 400 11/17/89 U. 4/27/93 5206940 Murakami et al. 395 400 8/27/91 ٧. 5212662 5/18/93 Cocanougher et al. 364 748 9/11/90 W. 5239654 8/24/93 Ing-Simmons et al. 395 800 11/17/89 X. 5276634 1/4/94 364 748 8/20/91 Suzuki et al. **FOREIGN PATENT DOCUMENTS** TRANSLATION **DOCUMENT NO.** DATE COUNTRY **CLASS SUBCLASS** YES NO Y. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) Z. **EXAMINER** DATE CONSIDERED

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Page 5 of 9 Application No. Applicant(s) PTO-1449 1 0 2004 Catherwood 09/870,460 Information, Disclosure Citation **Docket Number Group Art Unit** Filing Date in an Application 068354.1468 2131 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS** SUBCLASS **FILING DATE** A. 10/22/96 11/29/94 5568412 Han et al. 364 748 B. 5596760 1/21/97 Ueda 395 588 12/9/92 C. 5600813 2/4/97 395 421.07 2/9/93 Nakagawa et al. D. 5611061 3/11/97 395 591 11/24/93 Yasuda Ę. 4/8/97 6/29/94 5619711 Anderson 395 800 F. Kiuchi et al. 5638524 6/10/97 395 375 5/17/95 G. 10/14/94 5642516 6/24/97 Hedayat et al. 395 733 H. 5649146 7/15/97 Riou 395 421.07 3/30/95 I. 5651121 7/22/97 395 376 12/18/92 **Davies** J. 12/27/94 5657484 8/12/97 Scarrá 395 561 K. 2/14/95 5659700 8/19/97 Chen et al. 395 421.07 L. 5682339 10/28/97 364 715.08 5/26/95 Tam M. 5689693 11/18/97 White 395 565 4/26/94 N. 6/30/95 5694350 12/2/97 Wolrich et al. 364 788 Ο. 5696711 12/9/97 Makineni 364 748.03 12/22/95 P. 5706460 Craig et al. 395 380 1/6/98 3/19/91 Q. 5706466 1/6/98 395 452 1/13/95 Dockser R 5715470 2/3/98 Asano et al. 395 800 9/27/93 S. 4/7/98 4/28/97 5737570 Koch 395 872 Т. 5740095 4/14/98 **Parant** 364 760 7/12/95 U. 5740419 4/14/98 Potter 395 588 7/22/96 ٧. 5740451 4/14/98 395 733 10/28/96 Muraki et al. W. 5748516 5/5/98 364 748.03 9/26/95 Goddard et al. **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NO. DATE COUNTRY **CLASS SUBCLASS** YES NO X. Y. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) Z. **EXAMINER DATE CONSIDERED** 

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Page 6 of 9 Application No. Applicant(s) PTO-1449 SEP 1 0 2004 Catherwood 09/870,460 Information Disclosure Citation Docket Number Group Art Unit Filing Date in an Application 068354.1468 2131 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** A. 5748970 5/5/98 4/30/96 Miyaji et al. 395 733 В. 5764555 6/9/98 McPherson et al. 364 748.03 3/13/96 C. 6/9/98 711 5765216 Weng et al. 214 6/17/96 D. 5765218 6/9/98 Ozawa et al. 711 3/10/95 219 E. 5774711 6/30/98 Henry et al. 395 591 7/26/96 F. 5778416 7/7/98 Harrison et al. 711 5 4/3/97 G. 5790443 8/4/98 Shen et al. 364 746 3/19/96 H. 5808926 9/15/98 Gorshtein et al. 364 748.11 9/24/96 ١. 10/10/95 5812439 9/22/98 Hansen 364 748.03 J. 5812868 9/22/98 395 9/16/96 Moyer et al. 800.23 K. 5825730 10/20/98 Nishida et al. 369 3/8/96 44.32 L. 5826072 10/20/98 Knapp et al. 11/13/95 395 567 M. 10/20/98 5/19/95 5826096 **Baxter** 395 800.24 N. 10/27/98 Halvarsson et al. 5828875 395 588 5/29/97 Ο. 5862065 1/19/99 Muthusamy 364 736.5 2/13/97 P. 4/10/96 2/2/99 395 800.32 5867726 Ohsuga et al. Q. 5875342 2/23/99 Temple 395 733 6/3/97 R. 3/9/99 5880984 Burchfiel et al. 364 748.07 1/13/97 S. 5892697 4/6/99 Brakefield 364 748.02 12/19/95 Т. 4/6/99 760.4 9/16/97 5892699 Duncan et al. 364 U. 5894428 4/13/99 Harada 364 724.03 7/28/97 ٧. 5900683 5/4/99 Rinehart et al. 307 126 12/23/97 W. 5909385 6/1/99 Nishiyama et al. 364 760.03 4/1/97 FOREIGN PATENT DOCUMENTS **TRANSLATION** DOCUMENT NO. DATE COUNTRY CLASS **SUBCLASS** YES NO X. Y. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages) Z. DATE CONSIDERED **EXAMINER** 

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Page 7 of 9 Application No. Applicant(s) PTO-1449 Catherwood 09/870,460 Information Disclosure Citation Docket Number Group Art Unit Filing Date in an Application 068354.1468 2131 June 1, 2001 **U.S. PATENT DOCUMENTS** NAME **SUBCLASS** DOCUMENT NO. DATE **CLASS FILING DATE** A. 5917741 6/29/99 364 748.03 8/29/96 Ng ₿. 5918252 6/29/99 11/25/96 Chen et al. 711 217 C. 5930159 7/27/99 364 745.01 Wong 10/17/96 D. 5930503 7/27/99 Drees 395 651 12/29/95 E. 5936870 8/10/99 Im, Jin Hyeock 364 745.03 8/15/97 F. 5937199 8/10/99 395 335 6/3/97 Temple G. 5938759 8/17/99 Kamijo 712 209 12/19/97 H. 708 6/30/97 5941940 8/24/99 Prasad et al. 523 ١. 5943249 8/24/99 Handlogten 364 748.02 4/25/97 J. 712 5/17/96 5944816 8/31/99 Dutton et al. 215 K. Kiamilev et al. 708 404 5951627 9/14/99 11/14/96 L. 5951679 9/14/99 Anderson, et al. 712 241 10/31/97 Μ. 708 525 5978825 11/2/99 Divine et al. 11/14/97 N. 5983333 11/9/99 711 219 8/27/97 Kolagotia et al. 0. 5991787 11/23/99 Abel et al. 708 400 12/31/97 P. 11/23/99 712 32 5/19/94 5991868 Kamiyama et al. Q. 5996067 11/30/99 White 712 224 10/28/97 R. 6009454 12/28/99 Dummermuth 709 108 11/10/97 S. 6014723 1/23/97 1/11/00 Tremblay et al. 711 1 Т. 6018757 1/25/00 8/8/96 Wong 708 525 U. 6026489 2/15/00 Wachi et al. 712 241 4/26/95 ٧. 6044392 3/28/00 Anderson et al. 708 551 8/4/97 W. 6044434 3/28/00 711 110 9/24/97 Oliver FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NO. COUNTRY CLASS **SUBCLASS** DATE YES NO X. Y. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

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PTO-1449 Information Disclosure Cition in an Application

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В.	6058409	5/2/00	Kozaki et al.	708	409	8/5/97		
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E.	6061711	5/9/00	Song et al.	709	108	8/19/96		
F.	6061780	5/9/00	Shippy et al.	712	204	1/23/98		
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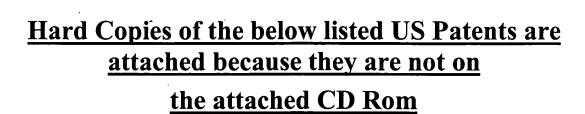
Page 9 of 9 Application No. Applicant(s) PTO-1449 Catherwood 09/870,460 Information Desclosure Citation Docket Number Group Art Unit Filing Date in an Application 068354.1468 2131 June 1, 2001 **U.S. PATENT DOCUMENTS** DOCUMENT NO. DATE NAME **CLASS SUBCLASS FILING DATE** A. 6295574 9/25/01 MacDonald 261 1/20/00 710 В. 6315200 11/13/01 Silverbrook et al. 7/10/98 235 454 C. 6356970 3/12/02 Killian et al. 5/28/99 710 269 D. 4/23/02 6377619 Denk et al. 375 232 9/26/97 E. 6397318 5/28/02 Peh 711 220 4/2/98 F. 6412081 6/25/02 Koscal et al. 714 1/15/99 34 G. 6487654 11/26/02 Dowling 712 244 12/12/01 H. 2002/0194466 12/19/02 712 <u>241</u> Catherwood et al. 6/1/01 1. 6523108 2/18/03 James et al. 712 224 11/23/99 J. 6564238 5/13/03 708 Kim et al. 513 2/2/00 K. 2003/0093656 5/15/03 <u>712</u> Masse et al. 241 10/1/99 L. 6633970 10/14/03 712 Clift et al. 217 12/28/99 M. 6658578 12/2/03 Laurenti et al. 713 324 10/1/99 N. 6681280 1/20/04 710 261 10/4/00 Miyake et al. Ο. 6763478 7/13/04 Vinh X. Bui 713 600 10/24/00 P. 6/15/04 6751742 Duhault et al. 713 323 8/31/99 Q. 6202163 3/13/01 Gabzdyl et al. 713 324 3/10/98 R. 9/29/98 5815693 McDermott et al. 713 501 12/15/95 S. 5778237 7/7/98 Yamamoto et al. 713 322 12/14/95 Т. 4615005 9/30/86 713 601 7/20/84 Maejima et al. U. V. W. **FOREIGN PATENT DOCUMENTS** TRANSLATION DOCUMENT NO. DATE COUNTRY **CLASS SUBCLASS** YES NO X. Y. NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

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